

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

RECEIVED
JUL 23 1981

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☒

OTHER ☐

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

GasOil (M.D. Broadhead)

DIVISION OF OIL, GAS & MINING

3. ADDRESS OF OPERATOR

P. O. Box 733 Grand Junction, Colo....81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

SE $\frac{1}{4}$ NE $\frac{1}{4}$, S29,T19S,R23E,S.L.B.M Grand Co. Utah

At proposed prod. zone

2650' 1669.7 FNL 734.2 FEL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 miles north of Cisco, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1280

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3000 ft.

17. NO. OF ACRES ASSIGNED TO THIS WELL

40 acres

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

BM 5049

(4999) 0.g. elev.

22. APPROX. DATE WORK WILL START*

July 5, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4	7" new	17 Lb.	100'	25 SX Circulated
6 1/4	4 1/2" new	9.5 lb.	3000	(40 SX Dowell RFC)

Propose to test the morrison and Dakota formations
Surface Use plan attached: Note: Water Sands are not anticipated
Surface FMN - Mancos Shale
Estimated Tops:

Dakota: 2500 gas/oil

Morrison 2650 gas/or oil

Pressure control: Schematic attached showing 8op, kill lines, check valves and pressure ratings, seven point plan attached.

Logging: IES & FDC-CNL, No Coring Planned

Hazzards : We do not expect that abnormal pressures or Hydrogen Sulfide will be encountered.

Starting Date: July 5, 1981. 30 days operating time.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

M.D. Broadhead

TITLE

operator

DATE

5-22-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

FOR

E. W. GUINN
DISTRICT ENGINEER

DATE

JUL 22 1981

APPROVED BY

W.T. Martin

TITLE

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

NOTICE OF APPROVAL

W.T. Martin

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Gas Oil 29-1
Project Type Development Gas Test
Project Location 1669.7' ENL, 734.2' FEL, Sec. 29, T19S, R23E, Grand
Date Project Submitted May 22, 1981 Utah

FIELD INSPECTION

Date July 7, 1981

Field Inspection
Participants

M.D. Broadhead - Operator
Elmer Duncan, Kevin Cleary - BLM
Glenn Doyle - U.S. G.S.

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

July 20, 1981
Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

July 22, 1981
Date

W. P. Martin
District Supervisor

FOR
E. W. GYNN
DISTRICT ENGINEER

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
516 DM 2.3.A									
Public health and safety					1, 2			7/7/81	
Unique characteristics					1, 2				(
Environmentally controversial					1, 2		6		
Uncertain and unknown risks						4			
Establishes precedents					1, 2				
Cumulatively significant					1, 2		6		
National Register historic places	1-7/16/81								(
Endangered/threatened species	1-7/16/81								
Violate Federal, State, local, tribal law						4			2

Site-specific stipulations attached

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-specific Stipulations

Gas Oil 29-1

- 1) Fence the reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.
- 2) Reduce location size to 150' x 200'.
- 3) Clear a swath of vegetation 1.5 - 2 feet blades wide behind the blooie pit to reduce the fire hazard.
- 4) Logs for coal identification need to be run through the Dakota, ie, resistivity, gamma ray, and (over)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

IN REPLY REFER TO
3109
(U-068)
U-37626

Memorandum

JUL 16 1981

To: Oil & Gas Office
USGS Conservation Division
P.O. Box 3768
Grand Junction, CO. 81501

From: Area Manager, Grand

Subject: M. D. Broadhead (APD)
Gasoil 29-1, Lease #U-37626
SE/NW Sec. 29, T. 19 S., R. 23 E., SLB&M
Grand County, Utah

On July 7, 1981 a representative from this office met with Glenn Doyle, USGS, and Bud Broadhead, agent of the Gasoil for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to M. D. Boradhead.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12" of topsoil in a wind-row on the Northeast quadrangle of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the Pre-drill field exam.

Access:

1. New construction will be kept to an absolute minimum. Access road will be flat bladed from the existing County road in SW/NE Sec. 29, North and east (passing to the north side of an existing corral) to a tributary of Cottonwood Wash. The road will cross this tributary and a low water crossing will be constructed. Soils will be stockpiled during the low water crossing construction on each side of the crossing and on each side of the road, resulting in 4 different piles. The access road will continue south and east, along the north side of the wash to the well pad in SE/NW Sec. 29, T. 19 S., R. 23 E., SLB&M.
2. The section of the road through the greasewood along the north of the creek will be bladed to mineral soils. Greasewood removed from the road surface will be windrowed along the north side of the road. Access will be at the north end of the pad.

Location:

1. Greasewood removed from the pad will be piled behind north of the topsoil in the north east quadrangle of the pad.
2. Greasewood will be cleared to the east and south of the pits(s) to mineral soils for 1.5 - 2.0 cat blade wide.
3. Pit dikes off the pad or along the edge of the pad will be 1.5 - 2.0 feet higher than the pad level, constructed in 8" soil lifts, machinery compacted, and wide enough along the top for machinery to pass over.
4. Three sides of the pit(s) will be fenced with 48" high woven wire prior to drilling. The 4th side will be fenced prior to rig removal. Two (2) strands of barbed wire will be placed around the fence, above the woven wire for support.
5. The proposed rig layout shows a pad of 200 feet X 200 feet in size. Pad size will be 150 feet wide X 200 feet long.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

*	2 percent	Grade	-	200 ft. intervals
	2-4 percent	Grade	-	100 ft. intervals
	4-5 percent	Grade	-	75 ft. intervals
	5 percent	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

SEED MIXTURE

Species	Rate
Grasses	1b/acre
Oryzopsis hymenoides	Indian rice grass
Sporobolus airoides	Alkali sacaton
Forbs	
Sphaeralcea coccinea	Globemallow
Shrubs	
Atriplex confertifolia	Shadscale
Atriplex nuttallii	Nuttal salt bush

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U - 37626

OPERATOR: Gas Oil

WELL NO. Gas Oil # 29-1

LOCATION: NW 1/4 SE 1/4 NE 1/4 sec. 29, T. 19S, R. 23E, SLM

Grand County, Utah

1. Stratigraphy:

Mancos	surface
Dakota	2500'
Morrison	2650'
<u>TD</u>	<u>3000'</u>

2. Fresh Water:

Fresh water may be present in near-surface Mancos sandstones (to 500' depth). Also, the Ferron sandstone (~2200' depth) may be a fresh water aquifer.

3. Leasable Minerals:

Coal: Dakota. Thin, lenticular beds.

Oil/Gas: Dakota, Morrison

4. Additional Logs Needed:

Logging program not specified - logs for coal identification should be run through the Dakota, i.e. resistivity, gamma ray, and density/porosity.

5. Potential Geologic Hazards:

None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 6-2-81

** FILE NOTATIONS **

DATE: December 16, 1981

OPERATOR: Lasdil

WELL NO: Lasdil #29-1

Location: Sec. 29 T. 19S R. 23E County: Grand

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-019-30897

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: as per Order Below, needs
survey plat, needs lease ownership map, ok on gtr
also has wells, ok on gtr-gtr sub lines. This well
was drilled & notice given by U.S.G.S. to plug & abandon before the
well was permitted with us.

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 102-16B, 9-26-75

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation Fed.

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

December 16, 1981

GasOil (M.D. Broadhead)
P. O. Box 733
Grand Junction, Colo. 81502

RE: Well No. GasOil #29-1,
Sec. 29, T. 19S, R. 23E,
Grand County, Utah

Dear Sir:

It has come to our attention that the above referred to well has already been drilled and approval to plug and abandon received from Ed Gynn of the U.S.G.S. without having approval from this office. We are requiring that you forward all information you have on the drilling and plugging of this well to this office also we will have to have a survey plat for the well. This information is to be filed with this office within the next two weeks. In the event that this should happen again we will bring you before the Board of Oil Gas and Mining and require that a bond be filed with this office.

If you have any questions, please feel free to contact this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
GasOil (M.D. Broadhead) 303-243-1763

3. ADDRESS OF OPERATOR
P. O. Box 733 Grand Junction, Colo....81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface SE $\frac{1}{4}$ NE $\frac{1}{4}$, S29,T19S,R23E,S.L.B.M Grand Co. Utah
At proposed prod. zone 2650'

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
11 miles north of Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
40 acres

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
3000

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
BM 5049 (4999) O.g. elev.

OIL, GAS & MINING

22. APPROX. DATE WORK WILL START
July 5, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4	7" new	17 Lb.	100'	25 SX Circulated
6 1/4	4 1/2" new	9.5 lb.	3000	(40 SX Dowell RFC)

Propose to test the morrison and Dakota formations
Surface Use plan attached: Note: Water Sands are not anticipated
Surface FMN - Mancos Shale
Estimated Tops:

Dakota: 2500 gas/oil

Morrison 2650 gas/or oil

Pressure control: Schematic attached showing Gop, kill lines, check valves and pressure ratings, seven point plan attached.

Logging: IES & FDC-CNL, No Coring Planned

Hazzards : We do not expect that abnormal pressures or Hydrogen Sulfide will be encountered.

Starting Date: July 5, 1981. 30 days operating time.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED M.D. Broadhead TITLE operator DATE 5-22-81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

2640

2640

2640.66

N 89° 53' W

N 89° 57' W

2640.66

29

4847.3
569.44 E

(SURVEYED)

SOUTH

1669.2 (CALC.)

(CALC.)

734.2

WEST

GASOIL 29-1

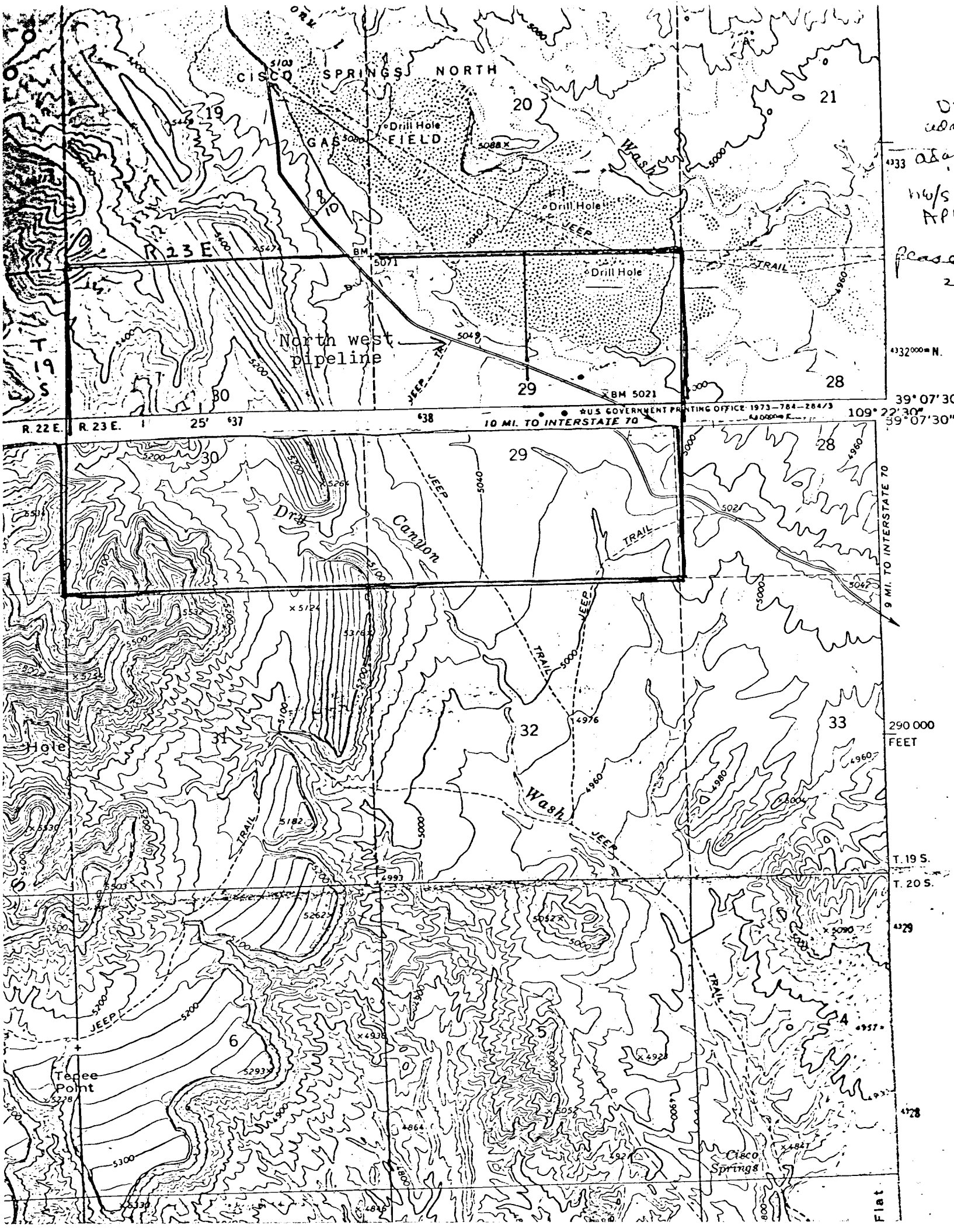
O.G. ELEV. 4999

T 19 S

WELL LOCATION PLAT
GASOIL 29-1
IN SE 1/4 NE 1/4, SEC. 29, T19S, R23E, S. 1. B. #M.
GRAND COUNTY, UTAH
FOR: GASOIL, INC.
SCALE: 1" = 1000' MAY 14, 1981
TRANSIT & E.D.M. SURVEY

ELEV. BY VERTICAL ANGLES FROM U.S.G.S.
TOPO. QUAD. "FLUME CANYON, UT." 1970
(NW COR., SEC. 29 = 5071)





433 020
14/5
AP
432000 N
39° 07' 30"
109° 22' 30"
39° 07' 30"

290 000
FEET
T. 19 S.
T. 20 S.

Flat

It was drilled &

Plugged According

MNC. CALLED ABOUT
APD. SENT IN APD

BUT NOW WE NEED

Sundry NOTICES, DRILLING

INFO, [^]ELECTRIC LOGS,
WELL COMPLETION, PLUGGING
PROCEDURES.

Since a
date it has
to be in. on
me with turn
it over to our
attorney

called 6-18-82
will send in
above

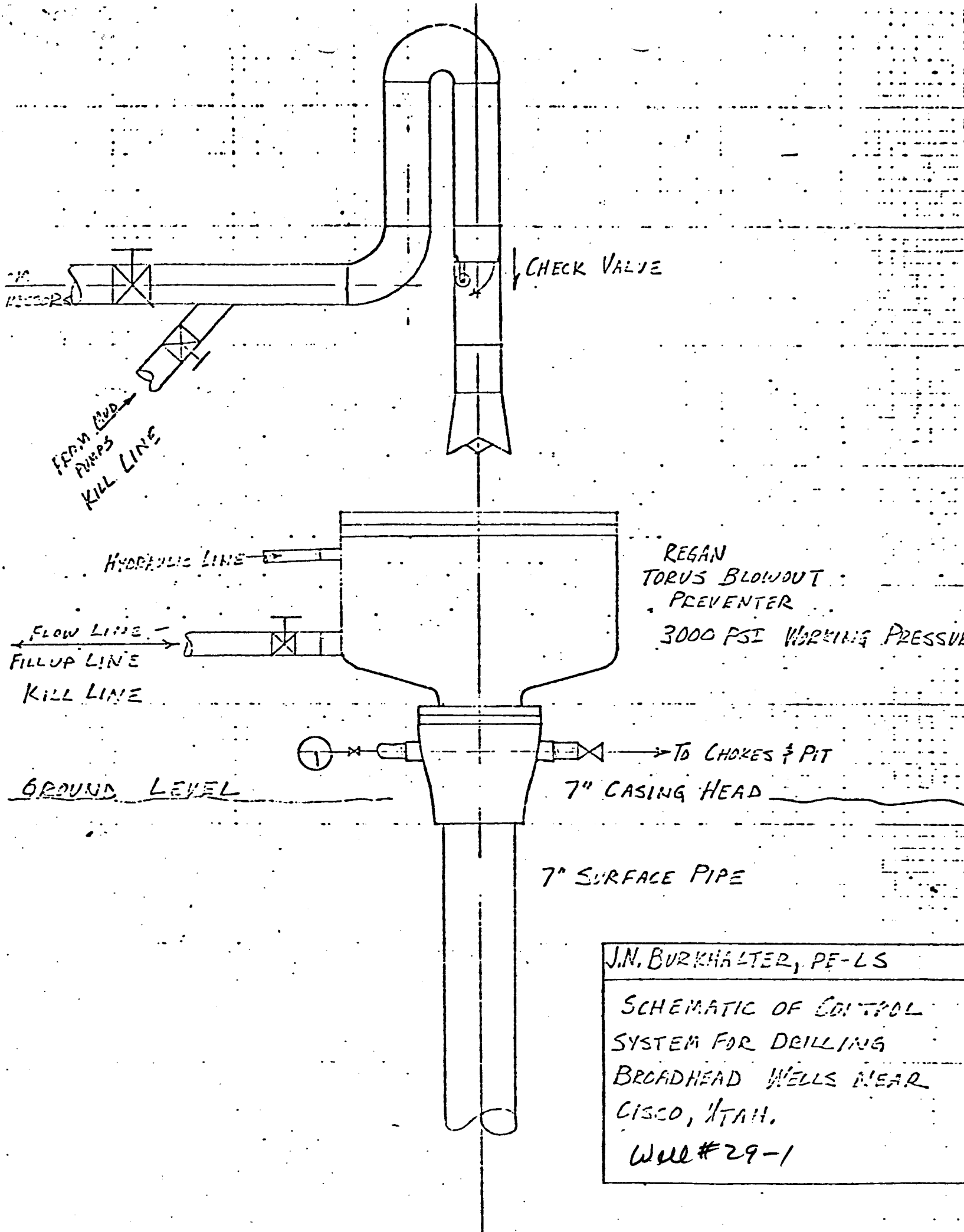
GASOIL
P.O. Box 733
Grand Junction, Colorado 81502

Re: Well No. GASOIL # 29-1
Sec. 29 T19S R 23E NE $\frac{1}{4}$
Grand County, Utah
Lease: U-37626

*call for other
info
303-243-1763
5-17-72*

1. Surface Casing: Set at 100'
Size 7"
Weight 17 lb.
Length Range 2
Grade J-55 new. Tested to 3000 psig.
2. Casing Heads:
Series 600 - 1500 psi working pressure.
3. Production Casing:
Size 4-1/2"
Weight 9.5 lb.
Length Range 3
Grade J-50 new. Tested to 3000 psig.
4. Pressure Control:
BOP Regan Torus BOP
Series 600 - Tested to 3000 psig.
Rams One size fits all - even blind.
Will use fill, kill and choke lines.
5. Auxiliary Pressure Control:
 - a. Kelly cocks.
 - b. Check valve at bit.
 - c. Monitoring equipment on mud system.
 - d. A sub on floor with a full opening valve to be stabbed into drill pipe when Kelly is out of string.
6. Anticipated Bottom Hole Pressure:
550 psig.
7. The Type of Drilling Fluid:
Air until gas encountered.
Mud up with Gel and Barite as weighting agent - 10.5 to 11.00 lb. per gal. as required.

8. Logging,



J.N. BURKHALTER, PE-LS

SCHEMATIC OF CONTROL
 SYSTEM FOR DRILLING
 BROADHEAD WELLS NEAR
 CISCO, UTAH.

WELL #29-1

Re: Well No. GASOIL # 29-1
Sec. 29 R 19S R23E
Grand County, Utah
Lease: U-37626

SURFACE USE PLAN

Geographical: 5 miles Northeast of Cisco, Utah.

Terrain: Low, rolling hills of Mancos shale.

Vegetation: Very sparse.

Surface Water: None. This is dry, desolate, desert country.

1. Existing Roads: Existing roads are 15-18 feet wide, with native ground as surface material. This is primarily Mancos shale with a little Cretaceous gravel in some places.

The included map shows all access roads and roads within a several mile radius of the location.

There are no immediate plans for improvement of existing roads. If commercial production is found and road improvement is needed, it will be considered at the appropriate time.

2. Planned Access Roads: The map indicates all necessary access roads be constructed which will be to the same physical characteristics as existing roads -- 15-18 feet wide with native Mancos shale as surface with maximum grades not to exceed 3-4%. There will be no culverts required and no major cuts and fills required for access to the well applied for. No fence cuts or cattle guards will be required.

A turnout off the County Road will be required for the 250' of road across Federal Land to the referenced location. No drainage design is needed as land is flat.

3. Location of Existing Wells: As you can see from the map, existing wells have been located upon the map. The status of the wells is generally indicated on the map by the manner in which the well is marked. There are no water wells or disposal wells.

The well applied for in this application has been referenced in two directions with reference stakes set at 100 and 150 feet in two directions giving a total reference of 300 feet for the well.

4. Location of Existing and/or Proposed Facilities:

- a. There are no tank batteries off of well locations within a one mile radius of the proposed location. Gas gathering lines are indicated on the attached map. All lines in the area are surface lines.
- b. If production is found, storage facilities will be located on the location. If gas is discovered in commercial quantities, necessary pipelines will be applied for at that time.

Complete protective measures such as fences will be used to protect livestock and wildlife in the area.

- c. Rehabilitation of all disturbed areas no longer needed after construction is completed will be returned to smooth contour and all debris will be cleaned up. All pits will be covered and cleaned up after drill operations. Those pits required for production will be fenced.

5. Water will be acquired either from Colorado River, ~~or at Cisco Springs~~ and will be transported by truck. existing roads will be used.

No water well will be drilled on the lease.

6. Source of Construction Materials: No construction materials such as sand, gravel, stone and soil will be used other than that found in the native location.

In the event that tanks and production equipment are required, gravel will be hauled from Grand Junction, Colorado or Moab, Utah to set tanks on. This gravel will be purchased from private enterprise.

7. Methods for handling Waste Disposal:

- a. Cuttings - The hole will be mud drilled and cuttings will be contained in pit. These cuttings will be integrated into the pit when covered.
- b - Drilling Fluids - Will be contained in pits. A dirt pit will be dug to contain excess flow out of the well during cementing and completion operations. Of course, these pits will be cleaned up and covered up.
- c. Produced Fluids such as Oil and Water - will be properly disposed of with oil being stored in tanks and water being diverted to the pit and disposed of as required.
- d. Sewage - A portable chemical toilet will be provided on location during drilling operations.

Surface Use Plan (cont.)

- e. Garbage and Other Waste Material - Will be contained in 30 gallon galvanized garbage cans and hauled off the location.
 - f. As stated before, the entire well site area will be properly cleaned up and restored to smooth contour when the rig moves out. Only that part of the location required for production operations will be kept in use. In the event of a dry hole, the only appurtenance left at the location will be the required dry hole marker.
8. Ancillary Facilities: There will be no camps or air strips required for this drilling operation.
9. Well Site Layout: A plat on a scale of 1" = 40' is included with the application showing location and orientation of the drilling rig, mud tanks, reserve pit, pipe racks and other appurtenances to the operation. For the time being pits will be unlined as allowed by present law. The only water introduced into these pits will be fresh water used in the drilling operation.
10. Plans for Restoration of Surface: As stated before, the entire location will be restored to smooth contour. Plan to broadcast Crested Wheat Grass at 4 lbs. per acre and harrow in seed. Crested Wheat will provide nurse crop for establishment of native grasses and shrubs.

It is intended to have all locations cleaned up within 30 days after operations are concluded.

11. Other Information:

- a. The topography of these locations near Harley Dome, Utah is a very gentle rolling, flat characteristic. The soil is raw Mancos shale with extremely sparse vegetation. A few coyotes, prairie dogs and cottontail rabbits occupy the entire area.
- b. The only other surface use activities other than petroleum exploration in the area is in spring grazing of the sparse vegetation by cattle and sheep.

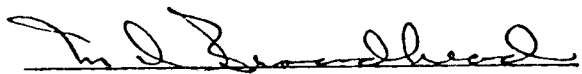
12. Operator's Representative:

GASOIL
P. O. BOX 733
Grand Junction, Colo. 81502
(303) 243-1763

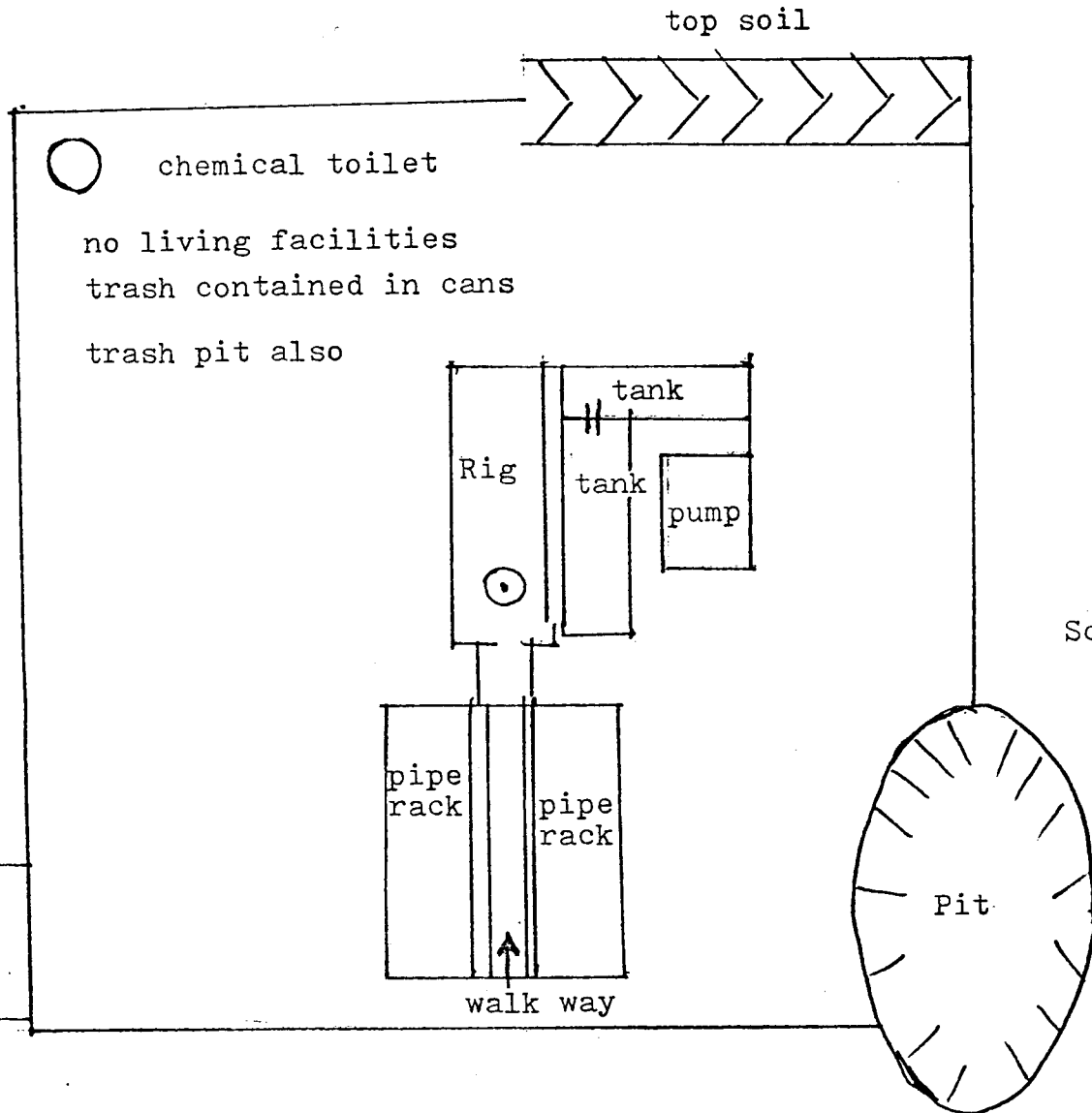
Surface Use Plan (ont.)

13. I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Walter D. Broadhead in conformity with this plan and the terms and conditions under which it is approved.

Date

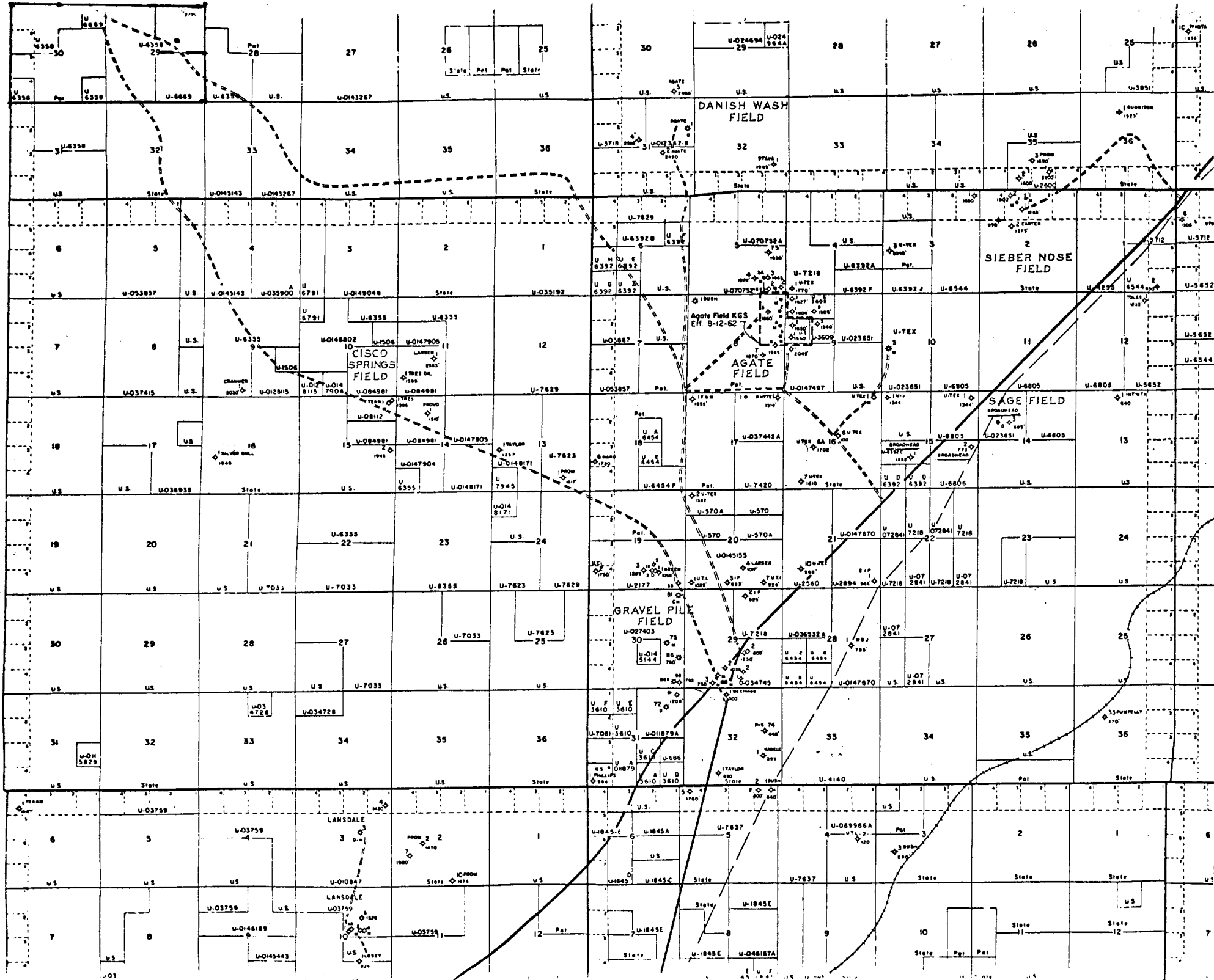

M. D. Broadhead

No cuts or fills - flat



NW $\frac{1}{4}$ S29 T 19S R 23E
Grand county, Utah

Proposed Road Location
Site layout
GASOIL # 2





STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

August 12, 1982

Gas Oil Company
Att: M. D. Broadhead
P. O. Box 733
Grand Junction, Colorado 81502

Re: Well No. Gas Oil #29-1
Sec. 29, T. 19S, R. 23E.
Grand County, Utah

Gentlemen:

This office contacted your office by telephone on June 18, 1982, asking for drilling information (Form OGC-1b), Well Completion and plugging procedure information (Form OGC-3), and electric logs. (Forms enclosed) As of this date we have not received any of this information.

Rule C-5 and C-22, General Rules and Regulations and Rules of Practice and Procedure requires that these above said reports be filed with the Commission.

**If we do not receive this information within a fourteen day waiting period, this file will be turned over to the Attorney at the Division of Oil, Gas and Mining.

Thank you for your cooperation to the above.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. <div style="text-align: center;">U-37626</div>																																				
2. NAME OF OPERATOR <div style="text-align: center;">M. D. Broadhead</div>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <div style="height: 40px;"></div>																																				
3. ADDRESS OF OPERATOR <div style="text-align: center;">P.O. Box 733, Grand Junction, Colo..81502</div>		7. UNIT AGREEMENT NAME <div style="height: 40px;"></div>																																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <div style="text-align: center;">At surface</div> <div style="text-align: center; margin-top: 20px;">1669'NFL & 734' EFL S29, T19S, R23E, SE$\frac{1}{4}$NE$\frac{1}{4}$ SLM&B</div>		8. FARM OR LEASE NAME <div style="text-align: center;">Federal</div>																																				
14. PERMIT NO. <div style="height: 40px;"></div>		9. WELL NO. <div style="text-align: center;">GasOil 29-1 ✓</div>																																				
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <div style="text-align: center;">4999' O.G.</div>		10. FIELD AND POOL, OR WILDCAT <div style="text-align: center;">Greater Cisco Area</div>																																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>NOTICE OF INTENTION TO:</p> <table style="width: 100%;"> <tr><td>TEST WATER SHUT-OFF</td><td><input type="checkbox"/></td><td>PULL OR ALTER CASING</td><td><input type="checkbox"/></td></tr> <tr><td>FRACTURE TREAT</td><td><input type="checkbox"/></td><td>MULTIPLE COMPLETE</td><td><input type="checkbox"/></td></tr> <tr><td>SHOOT OR ACIDIZE</td><td><input type="checkbox"/></td><td>ABANDON*</td><td><input checked="" type="checkbox"/></td></tr> <tr><td>REPAIR WELL</td><td><input type="checkbox"/></td><td>CHANGE PLANS</td><td><input type="checkbox"/></td></tr> <tr><td>(Other)</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr> </table> </div> <div style="width: 45%;"> <p>SUBSEQUENT REPORT OF:</p> <table style="width: 100%;"> <tr><td>WATER SHUT-OFF</td><td><input type="checkbox"/></td><td>REPAIRING WELL</td><td><input type="checkbox"/></td></tr> <tr><td>FRACTURE TREATMENT</td><td><input type="checkbox"/></td><td>ALTERING CASING</td><td><input type="checkbox"/></td></tr> <tr><td>SHOOTING OR ACIDIZING</td><td><input type="checkbox"/></td><td>ABANDONMENT*</td><td><input type="checkbox"/></td></tr> <tr><td>(Other)</td><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr> </table> <p style="font-size: small;">(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p> </div> </div>		TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>	SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input checked="" type="checkbox"/>	REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(Other)	<input type="checkbox"/>		<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>	(Other)	<input type="checkbox"/>		<input type="checkbox"/>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <div style="text-align: center;">S29 T19S, R23E, NE$\frac{1}{4}$</div>
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>																																			
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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* <div style="text-align: center; margin-top: 20px;">Proposed plugging program</div>		12. COUNTY OR PARISH <div style="text-align: center;">Grand</div>																																				
13. STATE <div style="text-align: center;">Utah</div>		13. STATE <div style="text-align: center;">Utah</div>																																				

Proposed plugging program

Formation	top	shows	13SX in top
Mancos	surface	none	50' to 150' 25 SX
Dakota	2500	none	2500' to 2600' 21 SX
Morrison (Salt Wash)	2970'	none	2970' to 3000' 21 SX

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 9/27/82
BY: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE operator

DATE 8/27/82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 9, 1983

Gas-Oil Company
M. D. Broadhead
P. O. Box 733
Grand Junction, Colorado 81502

Re: Well No. 29-1
Sec. 29, T. 19S, R. 23E.
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 20, 1983

Gas-Oil Company
Att: M. D. Broadhead
P. O. Box 733
Grand Junction, Colorado 81502

2nd NOTICE

Re: Well No. # 29-1
1669' FNL, 734' FEL
SE NE Sec. 29, T. 19S, R. 23E.
Grand County, Utah

Dear Mr. Broadhead:

This office received a Sundry Report "Notice of Intention to Abandon" on the above referenced well. If indeed this well has been plugged and abandoned then you need to advise this office. The Sundry does not fulfill the Division's requirements as stated in Rule C-5, General Rules and Regulations, for the reports required for plugging & abandoning a well.

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

If this well, has not been plugged and abandoned then please advise the Division of current status and operations, stated on Sundry Notice Form OGC-1b.

****You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to the above matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.**

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf
Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-37626
2. NAME OF OPERATOR M. D. Broadhead		6. IF INDIAN, ALLOTTED OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 733, Grand Junction, Colo...81502		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1669'NFL & 734 EFL S29, T19S, R23E SE $\frac{1}{4}$ NE $\frac{1}{4}$ SIM & B		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. GasOil 29-1
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 4999' O.G.		10. FIELD AND POOL, OR WILDCAT Greater Cisco Area
		11. SEC., T., R., M., OR B.L. AND SUBST. OR AREA S29T 19S R23E NE $\frac{1}{4}$
		12. COUNTY OR PARISH Grand
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

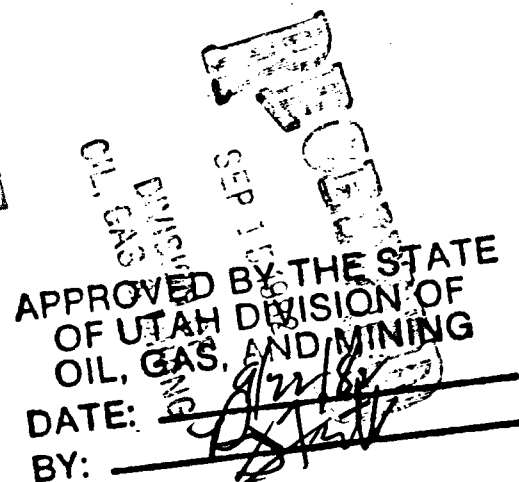
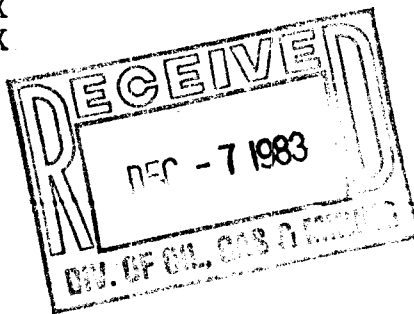
☒

(Other)

☐(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Oral permission requested and approval granted
 7" surface casing 100' 10 SX at surface with marker
 3000' to 2930' with 21 SX
 2850' to 2700' with 32 SX
 2600' to 2500' with 21 SX
 9.2 gel. mud in hole
 top 13 SX



18. I hereby certify that the foregoing is true and correct

SIGNED

M. D. Broadhead

TITLE Operator

DATE 8/27/82

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-37626

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

GasOil 29-1

10. FIELD AND POOL, OR WILDCAT

Greater Cisco Area

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

S29 T19S R23E NE $\frac{1}{4}$

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Otherb. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

M. D. Broadhead

3. ADDRESS OF OPERATOR

P.O. Box 733 Grand Junction, Co. 81502

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1669' NFL & 734' EFL Sec 29 R23E T19S

At top prod. interval reported below

SE $\frac{1}{4}$ NE $\frac{1}{4}$ SLM&B

At total depth

14. PERMIT NO.

DATE ISSUED

43-019-30897 19/15/1982

15. DATE SPUNDED

9/27/82

16. DATE T.D. REACHED

9/28/82

17. DATE COMPL. (Ready to prod.)

--

18. ELEVATIONS (DF, RES. BT, GR, ETC.)*

4999' 0 G

19. ELEV. CASINGHEAD

5002 0 G

20. TOTAL DEPTH, MD & TVD

3051

21. PLUG, BACK T.D., MD & TVD

3051

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

rotary

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

none

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE-ELECTRIC AND OTHER LOGS RUN

FDC_CNL_GR

Sample

OIL-SFL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	171b	100'	8 3/4	25SX cir.	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

none

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

none

AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION none PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	NO GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	WATER—BSL.	NO GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as compared with all available records

SIGNED

M. D. Broadhead

TITLE

Operator

DATE 11/16.83

*(See Instructions and Spaces for Additional Data on Reverse Side)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
James A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 31, 1984

M.D. Broadhead
P.O. Box 733
Grand Junction CO 81502

RE: Well No. Federal #29-1
API #43-019-30897
1669' FNL, 734' FEL SE/NE
Sec. 29, T. 19S, R. 23E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 16, 1983 on the above referred to well, indicates the following electric logs were run: FDC-CNL-GR. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones
Well Records Specialist

CJ/cj